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UTILITY PATENT APPLICATION **TRANSMITTAL**

2254.0010001 Attorney Docket No. First Inventor LaCOURSE et al. VACUUM MEMBRANE EXTRACTION Title

(Unity for new r	nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No.			
	PPLICATION ELEMENTS ter 600 concerning utility patent application contents.	ADDRESS TO: Comm	top Patent Application Issioner for Patents ox 1450 ndria VA 22313-1450		
Submit and Applicant of Applicant of Applicant of See 37 CF 3. X Specification (preferred and Descriptive Cross Reference or a computation of the Summan Computation of the S	on [Total Pages21] rrangement set forth below) e etitle of the invention erence to Related Applications : Regarding Fed sponsored R & D to sequence listing, a table, uter program listing appendix and of the Invention mary of the Invention mary of the Drawings (if filed) rescription of the Drawings (if filed) rescription of the Disclosure 1) (35 U.S.C. 113) [Total Sheets4] 1tion [Total Sheets4] 1executed (original or copy) 1 com a prior application (37 CFR 1.63(d)) 1	i. CD-ROM o ii. Paper c. Statements veriff ACCOMPANYING 9. Assignment Papers (10. 37 CFR 3.73(b) State (when there is an assignment Disclosus) 11. English Translation Disclosus Statement (IDS)/PTC 13. Preliminary Amendment (IDS)/PTC 13. Return Receipt Poste (Should be specifical	pendix) cid Sequence Submission ble Form (CRF) quence Listing on: r CD-R (2 copies); or ying identity of above copies APPLICATION PART: (cover sheet & document(s)) ement Power of signee) Attorney Document (if applicable) re Copies of II 0-1449 Citations lent card (MPEP 503) lity itemized) ority Document(s) laimed) rest under 35 U.S.C. 122 t must attach form PTO/SB/3 on under 37CFR 1.136(a)(3) of the assignee is: Univ. of Maryla	DS 35 . and, Baltimore Cour	
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: To Be Assigned					
Prior application information: To Be Assigned Art Unit: To Be Assigned For CONTINUATION OF DIVISIONAL APPS only; The entire disciosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disciosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.					
	19. CORRESPON	DENCE ADDRESS	·		
X Customer N	Number: 26111	OR C	orrespondence address belo	w	
Name	Sterne, Kessler, Goldstein & Fox P.L.L.C				
Address					
City		State	Zip Code		
, Country		elephone	Fax		
Name (Print/Type) Robert W. Esmond Registration No. (Attorney/Agent) 32,893					
Signature	Kobutusmad		Date Feb. 6,2	004	
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This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

		PTO/SB/17 (10-0:
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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

X Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

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Complete if Known			
Application Number	To Be Assigned		
Filing Date	Herewith		
First Named Inventor	William R. LaCOURSE		
Examiner Name	To Be Assigned		
Art Unit	To Be Assigned		
Attorney Docket No.	2254.0010001		

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)				
Check X Credit card Money Order None		3. ADDITIONAL FEES				
*Charge any deficiencies or credit any overpayments in		Entity			•	
Deposit	Fee Code		Fee Code	Fee (\$)	Fee Description	
Account Number 19-0036	1051	130	2051		Surcharge - late filing fee or oath	Fee Paid
Deposit Account Sterne Kessler, Goldstein & Fox P.L.L.C.	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Name The Director is authorized to: (check all that apply)	1053	130	1053	130	Non-English specification	<u> </u>
Charge fee(s) indicated below Credit any overpayments	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month	
Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month	
Fee Fee Fee Fee Pee Paid Code (\$) Code (\$)	1254	1,480	2254	740	Extension for reply within fourth month	
1001 770 2001 385 Utility filing fee	1255	2,010	2255	1,005	Extension for reply within fifth month	
1002 340 2002 170 Design filing fee 385 00	1401	330	2401	165	Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 385,00	1452	110	2452	55	Petition to revive - unavoidable	
	1453	1,330	2453	665	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Utility issue fee (or reissue)	
Extra Claims below Fee Paid	1502	480	2502	240	Design issue fee	
Total Claims 20 - 20 **= 0 X 9 =	1503	640	2503	320	Plant issue fee	
Claims 4 - 3 **= 1 X 43 = 43.00 Multiple Dependent	1460	130	1460	130	Petitions to the Commissioner	
	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806	180	1806	180		
Code (\$) Code (\$) 1202 18 2202 9 Claims in excess of 20	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385	` ' ''	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	· · · · · · · · · · · · · · · · · · ·	
		fee (sp	ecify) _		· ·	
SUBTOTAL (2) (\$) 43.00 **or number previously paid, if greater; For Reissues, see above	*Redu	uced by	Basic	Filing F	Fee Paid SUBTOTAL (3) (\$)	40.00

SUBMITTED BY

Robert W. Esmond

Signature

(Complete (if applicable))

Registration No. (Attornev/Agent)

Registration No. (Attornev/Agent)

32.893

Telephone

(202) 371-2600

Date

Feb. 6, 2004

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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Timothy J. Shea, Jr.
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Albert L. Ferro*
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Elizabeth J. Haanes Joseph S. Ostroff Frank R. Cottingham Christine M. Lhulier Rae Lynn Prengaman Jane Shershenovich* Lawrence J. Carroll* George S. Bardmesser Jason D. Eisenberg Michael D. Specht Andrea J. Kamage Tracy L. Muller* LuAnne M. DeSantis John J. Figueroa Ann E. Summerfield Tiera S. Coston* Aric W. Ledford*

Michael D. Specht Jessica L. Parezo Timothy A. Doyle* Cynthia M. Bouchez Nicole D. Dretar* Ted J. Ebersole Registered Patent Ager Karen R. Markowicz Nancy J. Leith

Registered Patent Agents « Karen R. Markowicz » Nancy J. Lieth Helene C. Carlson Gaby L. Longsworth Matthew J. Dowd Aaron L. Schwartz Mary B. Tung Katrina Y. Pei Quach Bryan L. Skelton Robert A. Schwartzman

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Ieresa A. Colella
Jeffrey S. Lundgren
Jeffrey S. Lundgren
Victoria S. Rutherford
Eric D. Hayes
Michelle K. Holoubek
Robert H. DeSelms
Simon J. Elliott
Julie A. Heider
Mita Mukerjee
Scott M. Woodhouse
Of Counsel
Evan R. Smith
Marvin C. Guthrie
*Admitted only in Maryland
*Admitted only in Virginia
Practice Limitlet
Practice Limitlet
*Practice Limitlet
*Pr

February 6, 2004

WRITER'S DIRECT NUMBER: (202) 772-8560 INTERNET ADDRESS: RESMOND@SKGF.COM

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No. To Be Assigned; Filed: Herewith For: Vacuum Membrane Extraction System

Inventors:

LaCOURSE et al.

Our Ref:

2254.0010001/RWE/JKM

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

Vacuum Membrane Extraction System

and naming as inventors:

William R. LaCOURSE Patrick Devin WIGINGTON

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
- b. Two (2) original executed Declarations;
- c. A specification containing:

Sterne, Kessler, Goldstein & Fox PLLC.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents February 6, 2004 Page 2

- i. 16 pages of description prior to the claims;
- ii. 4 pages of claims (20 claims);
- iii. a one (1) page abstract;
- d. 4 sheets of drawings: (Figure(s) 1-4); and
- 4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
- 5. Recordation Form Cover Sheet;
- 6. Two (2) original executed Assignments to University of Maryland, Baltimore County, recordation of which is hereby respectfully requested;
- 7. Letter to PTO Draftsman: Submission of Formal Drawings with 4 sheets of formal drawings with Figures 1-4;
- 8. Form PTO-2038 Credit Card Payment Form; and
- 9. Two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert W. Esmond Attorney for Applicants Registration No. 32,893

RWE/JKM/as

227402.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

LaCOURSE et al.

Appl. No.: To Be Assigned

Filed: Herewith

For: Vacuum Membrane Extraction

System

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 2254.0010001/RWE/JKM

Authorization to Treat a Reply as Incorporating an Extension of Time Under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert W. Esmond Attorney for Applicants Registration No. 32,893

Date: February 6, 2004

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

227467.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

LaCOURSE et al.

Appl. No.: To Be Assigned

Filed: Herewith

For: Vacuum Membrane Extraction

System

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 2254.0010001

Letter to PTO Draftsman: Submission of Formal Drawings

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith are four sheets of formal drawings with Figures 1-4 for the abovecaptioned application. Identification of the drawings is provided in accordance with 37 C.F.R. § 1.84(c). Acknowledgment of the receipt, approval, and entry of these formal drawings into this application is respectfully requested.

It is not believed that an extension of time is required, other than any already provided herewith. However, if an extension of time is needed to prevent abandonment of the application, then such extension of time is hereby petitioned. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert W. Esmond Attorney for Applicant Registration No. 32,893

Date: February 6, 2004

1100 New York Avenue, N.W. Washington, D.C. 20005-3934

(202) 371-2600